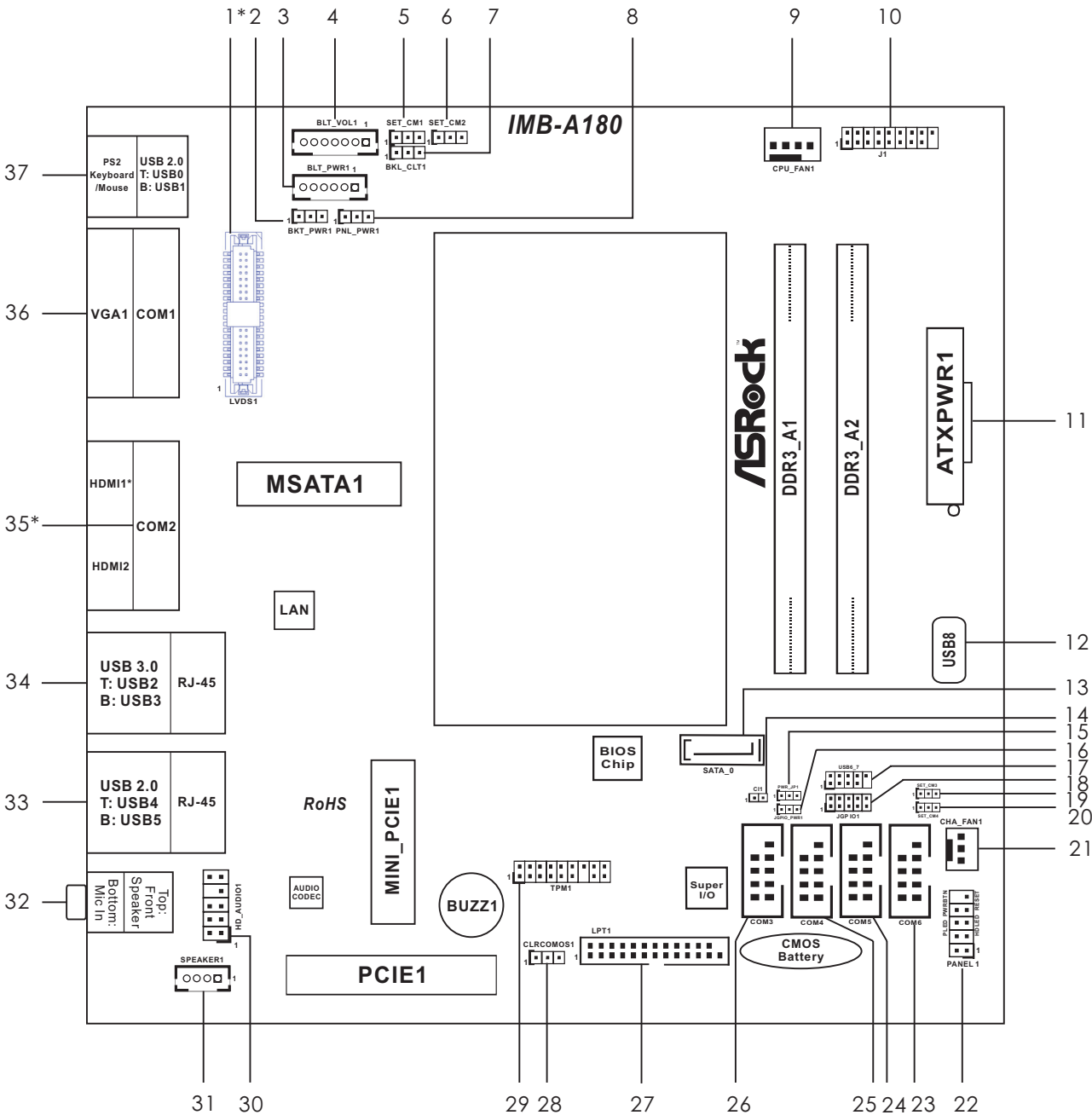


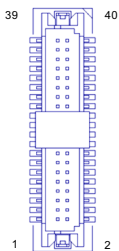
ASRock Jumpers and headers setting guide

IMB-A180-H

IMB-A180



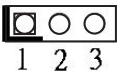
1* : LVDS Panel Connector
* LVDS is for IMB-A180 only



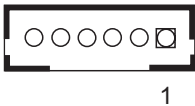
| PIN | Signal Name | PIN | Signal Name |
|-----|--------------|-----|--------------|
| 1 | LVDS_PWR | 2 | LVDS_PWR |
| 3 | +3V | 4 | DDC CLK |
| 5 | DDC DATA | 6 | LVDS1 D0(-) |
| 7 | LVDS1 D0(+) | 8 | GND |
| 9 | LVDS1 D1(-) | 10 | LVDS1 D1(+) |
| 11 | GND | 12 | LVDS1 D2(-) |
| 13 | LVDS1 D2(+) | 14 | GND |
| 15 | LVDS1 D3(-) | 16 | LVDS1 D3(+) |
| 17 | GND | 18 | LVDS1 CLK(-) |
| 19 | LVDS1 CLK(+) | 20 | GND |
| 21 | LVDS2 D0(-) | 22 | LVDS2 D0(+) |
| 23 | GND | 24 | LVDS2 D1(-) |
| 25 | LVDS2 D1(+) | 26 | GND |
| 27 | LVDS2 D2(-) | 28 | LVDS2 D2(+) |
| 29 | LVDS PWR EN | 30 | LVDS2 D3(-) |
| 31 | LVDS2 D3(+) | 32 | GND |
| 33 | LVDS2 CLK(-) | 34 | LVDS2 CLK(+) |
| 35 | GND | 36 | B/L ENABLE |
| 37 | B/L ADJUST | 38 | BLT_PWR |
| 39 | BLT_PWR | 40 | BLT_PWR |

2 : Panel Backlight Power Jumper

1-2 : +5V
2-3 : +12V



3 : Inverter Power/Control Header



| PIN | Signal Name |
|-----|-------------|
| 1 | GND |
| 2 | GND |
| 3 | B/L ADJUST |
| 4 | B/L ENABLE |
| 5 | LCD BLT VCC |
| 6 | LCD BLT VCC |

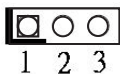
4 : Panel Backlight & Audio AMP Volume Control Header



| PIN | Signal Name |
|-----|-------------|
| 1 | VOL_UP |
| 2 | VOL_DW |
| 3 | BKT_ON/OFF |
| 4 | BKT_UP |
| 5 | BKT_DW |
| 6 | GND |
| 7 | GND |

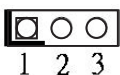
COM Port Pin9/Power Setting Jumpers

5 : For COM1
6 : For COM2
19 : For COM3
20 : For COM4



1-2 : +12V
2-3 : +5V

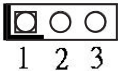
7 : Backlight Control Signal Setting Header



1-2 : +3V Level
2-3 : +5V Level

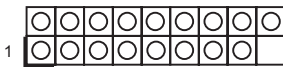
8 : LVDS Power (VDD Power) Jumper

1-2 : +3V
2-3 : +5V



9 : 4-Pin CPU FAN Connector (+12V)

10: AMD Debug Header



| PIN | Signal Name | PIN | Signal Name |
|-----|--------------|-----|-------------|
| 1 | APU_DBRDY | 2 | APU_TDO |
| 3 | GND | 4 | APU_TDI |
| 5 | GND | 6 | APU_TMS |
| 7 | GND | 8 | APU_TCK |
| 9 | APU_DBREQ# | 10 | APU_BTN# |
| 11 | PWR_+1.8V | 12 | SYS_RST# |
| 13 | APU_LDT_RST# | 14 | SMB_CLK |
| 15 | GND | 16 | SMB_DATA |
| 17 | NC | 18 | X |

11 : 20-pin ATX Power Input Connector

12 : USB2.0 Port (USB8)

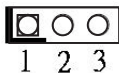
13 : SATA3 Connector

14 : Chassis Intrusion Header 1



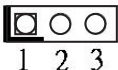
15 : ATX/AT Mode Jumper

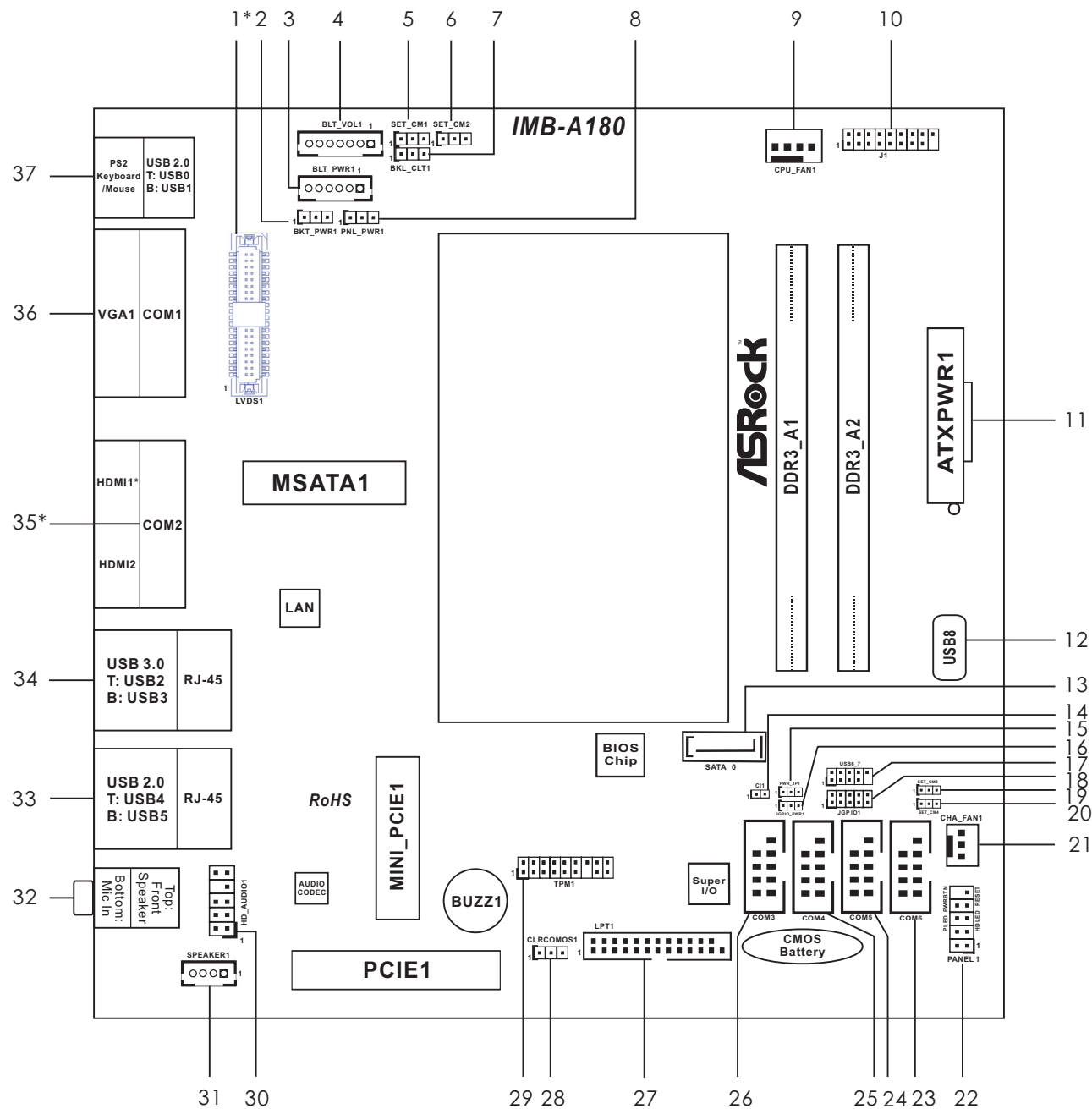
1-2: AT Mode
2-3: ATX Mode



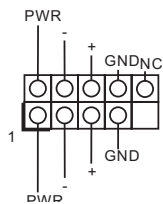
16 : Digital Input / Output Power select

1-2: +12V
2-3: +5V

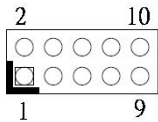




17 : USB2.0 Connector (USB67)



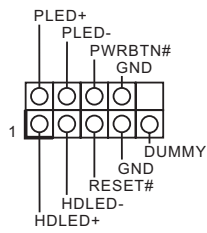
18 : Digital Input / Output Pin Header



| PIN | Signal Name | PIN | Signal Name |
|-----|------------------|-----|-----------------|
| 1 | Digital Output 0 | 2 | Digital Input 0 |
| 3 | Digital Output 1 | 4 | Digital Input 1 |
| 5 | Digital Output 2 | 6 | Digital Input 2 |
| 7 | Digital Output 3 | 8 | Digital Input 3 |
| 9 | JGPIO_PWR1 | 10 | GND |

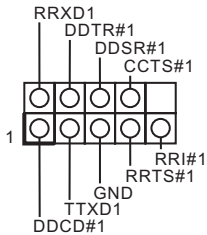
21 : 3-Pin Chassis FAN Connector (+12V)

22 : System Panel Header

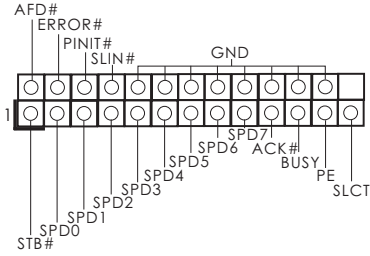


RS-232 Port 4 Pin Headers

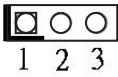
- 23 : COM6
- 24 : COM5
- 25 : COM4
- 26 : COM3



27 : Printer Port Header



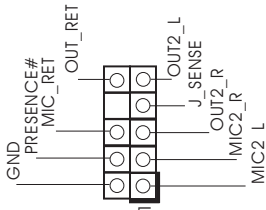
28 : Clear CMOS Header
1-2: Normal
2-3: Clear CMOS



29 : TPM Header



30 : Front Panel Audio Header



31 : 3W Audio AMP Output Wafer



| PIN | Signal Name |
|-----|-------------|
| 1 | SPK L- |
| 2 | SPK L+ |
| 3 | SPK R+ |
| 4 | SPK R- |

32 : Audio Jacks
Green - Front Speaker
Pink - Mic In

33 : Top : RJ45 LAN Port
Bottom : USB2.0 (USB4_5)

34 : Top : RJ45 LAN Port (DASH support)
Bottom : USB3.0 (USB2_3)

35 : Top : COM2
Bottom left: HDMI1*
Bottom right: HDMI2
* HDMI1 is for IMB-A180-H only

36 : Top : COM1
Bottom : VGA1

37 : Top : USB2.0 (USB01)
Bottom : PS/2 Keyboard/Mouse